

**Listing of the Claims:**

The following is a complete listing of all the claims in the application, with an indication of the status of each:

- 1                   1 (Currently Amended).       An antenna apparatus, comprising:  
2                               an antenna element, having directivity in a vertex direction;  
3                               an antenna case, containing the antenna element;  
4                               an antenna base, coupled to the antenna case, and attached onto an  
5                   installation face; and  
6                               an angle regulator, adjusting a relative angle between the antenna  
7                   case and the antenna base to optimize a sensitivity of the antenna element  
8                   to a received signal.
  
- 1                   2 (Original).       The antenna apparatus as set forth in claim 1, further  
2                   comprising a driving unit, driving the angle regulator so as to mechanically  
3                   adjust the relative angle between the antenna case and the antenna base.
  
- 1                   3 (Original).   The antenna apparatus as set forth in claim 2, further  
2                   comprising a detector, detecting a condition of radio-wave received by the  
3                   antenna element; and  
4                               a controller, controlling the driving unit based on the condition of  
5                   the radio-wave detected by the detector.
  
- 1                   4 (Original).   The antenna apparatus as set forth in claim 1, wherein the  
2                   angle regulator includes a plunger, a receiving portion having a plurality of  
3                   depressions for latching the plunger, and a resilient member urging the  
4                   plunger to the receiving portion.
  
- 1                   5 (Original).   The antenna apparatus as set forth in claim 1, wherein a  
2                   hook hole is formed in a base face of the antenna base.

1           6 (Original). The antenna apparatus as set forth in claim 5, wherein the  
2           hook hole has a large-diameter hole portion and narrow slit portions which  
3           formed on both sides of the large-diameter portion.

1           7 (Original). The antenna apparatus as set forth in claim 6, wherein the  
2           hook hole has a plurality of hook holes; and  
3                        wherein the hook holes are formed in four places corresponding to  
4           four corners of the base face which is attached onto the installation face.

1           8 (Original). The antenna apparatus as set forth in claim 1, wherein a  
2           cable hole is formed in the a base face of the antenna base so that a cable is  
3           drawn out from the cable hole toward an upper side or a lower side of the  
4           antenna base.

1           9 (Original). The antenna apparatus as set forth in claim 8, wherein a  
2           cable drawing-out groove is formed in the base face of the antenna base so  
3           as to extend to the upper side or the lower side of the antenna base; and  
4                        wherein a cable latch portion is formed in the base face of the  
5           antenna base so as to latch the cable which is drawn out along the groove.

1           10 (Original). The antenna apparatus as set forth in claim 1 wherein the  
2           installation face is formed on an interior of a vehicle.

1           11 (Original). The antenna apparatus as set forth in claim 1 wherein an  
2           elastic slip stopper is provided on a base face of the antenna base.

1           12 (New). The antenna apparatus, comprising:  
2                        an antenna element;  
3                        an antenna case;  
4                        an antenna base, coupled to the antenna case, and attached onto an

5 installation face; and  
6 a low noise amplifier circuit board, amplifying a signal received by  
7 the antenna element;  
8 wherein the antenna element and the low noise amplifier circuit  
9 board are contained in the antenna case;  
10 wherein the antenna base is fixed to the installation face; and  
11 Wherein the antenna case is movable with respect to the antenna  
12 base.

1 13 (New). The antenna apparatus as set forth in claim 12, further  
2 comprising an angle regulator, adjusting a relative angle between the  
3 antenna case and the antenna base to optimize a sensitivity of the antenna  
4 element to the received signal.